

Applicant: Hidenori YAMAMOTO, et al.

Title: Distributed System and Brokering Method Using Context

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FIG.1

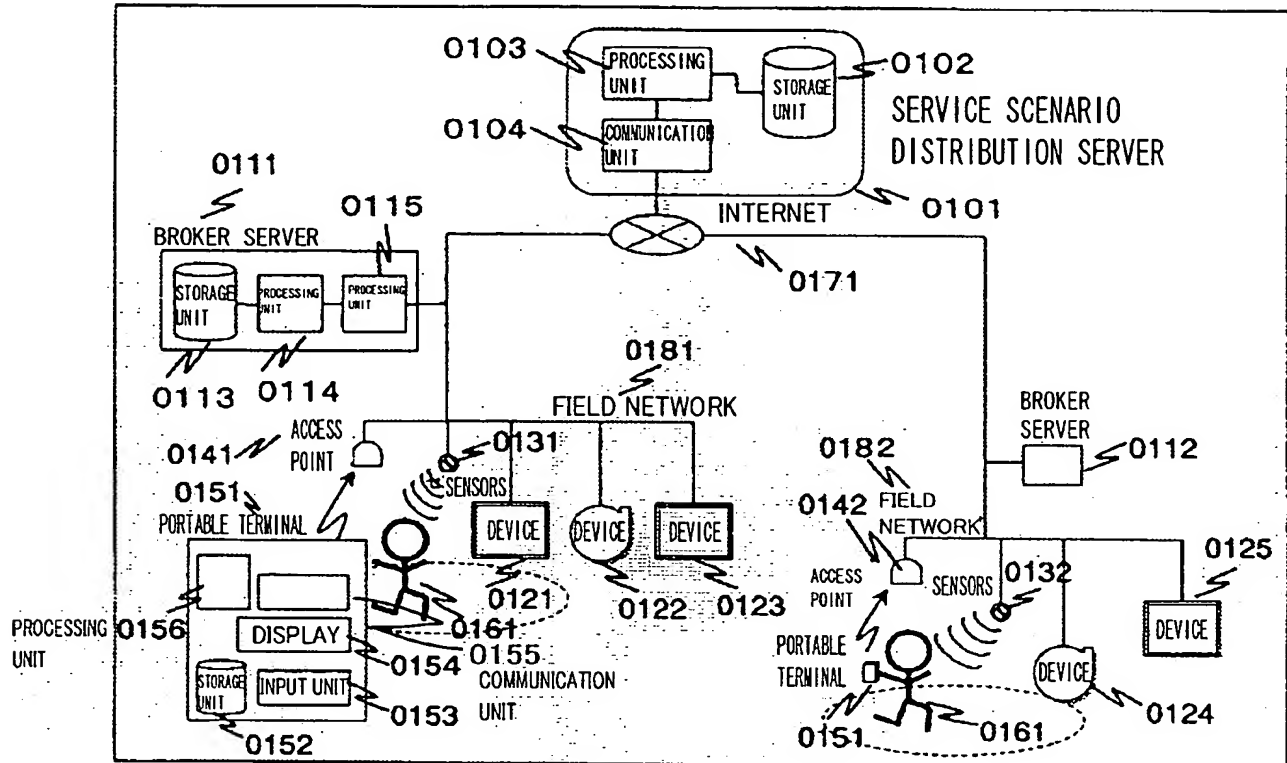
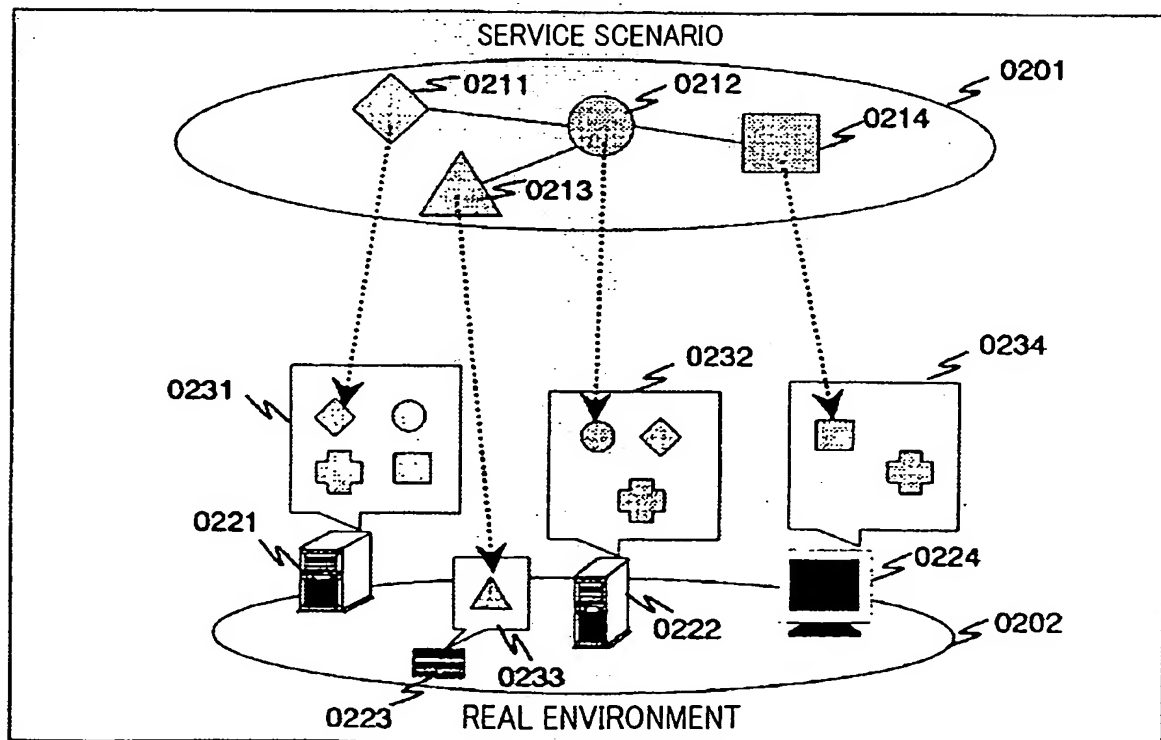
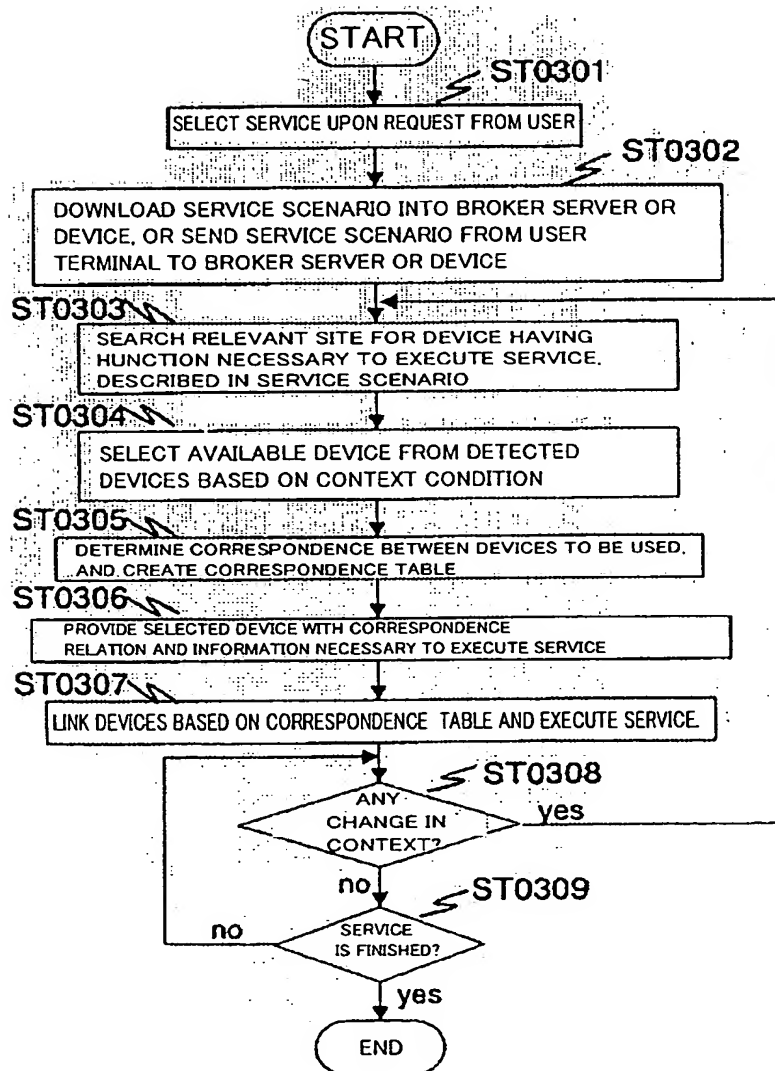


FIG.2



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FIG. 3



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FIG.4

0401		0402	
0411	CONTEXT USED	DEVICE SELECTION CONDITION	
	POSITION	SELECT DEVICE CLOSEST TO USER	
0412	DEVICE STATE	SELECT DEVICE NORMALLY RUNNING PREFERENTIALLY SELECT DEVICE NOT USED BY OTHERS	
0413	TIME	DEVICE IS AVAILABLE ONLY DURING CERTAIN PERIOD OF TIME(e.g. LUNCH BREAK)	
0414	SCHEDULE	REFER TO OPERATION SCHEDULE OF DEVICE, AND DEVICE IS AVAILABLE IF NOT RESERVED	
0415	NUMBER OF PEOPLE IN VICINITY		
	

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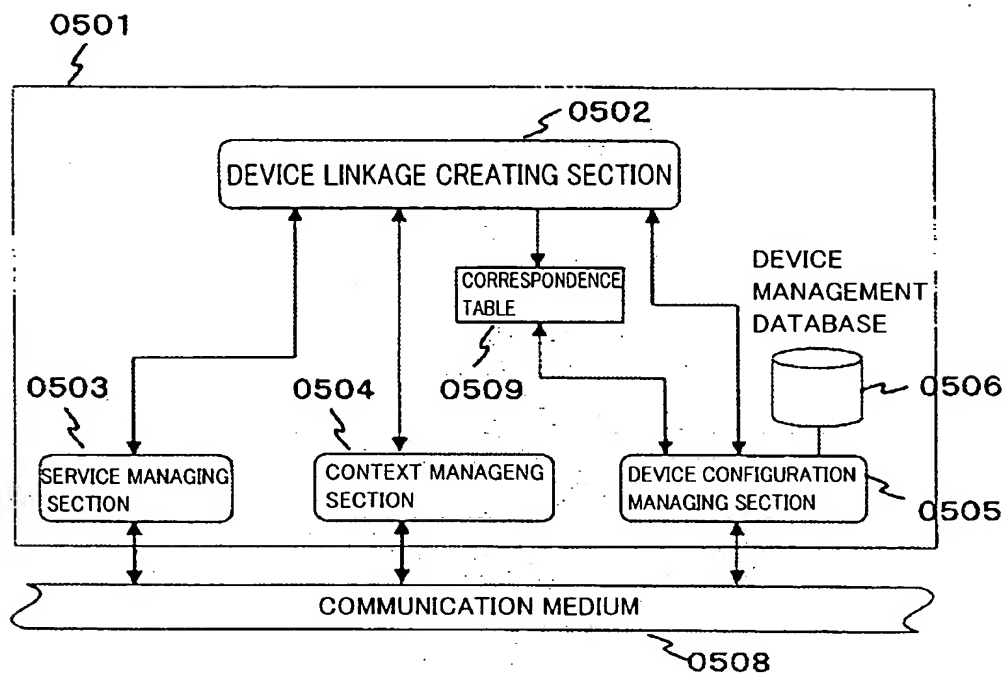


FIG.5

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FIG.6

0601 ⚡	0602 ⚡	0603 ⚡	0604 ⚡	0605 ⚡	0606 ⚡	0607 ⚡
FUNCTION	DEVICE	DEVICE IDENTIFIER	PROCESS	DATA SOURCE	DATA DESTINATION	STATE
A						
B						
C						
....

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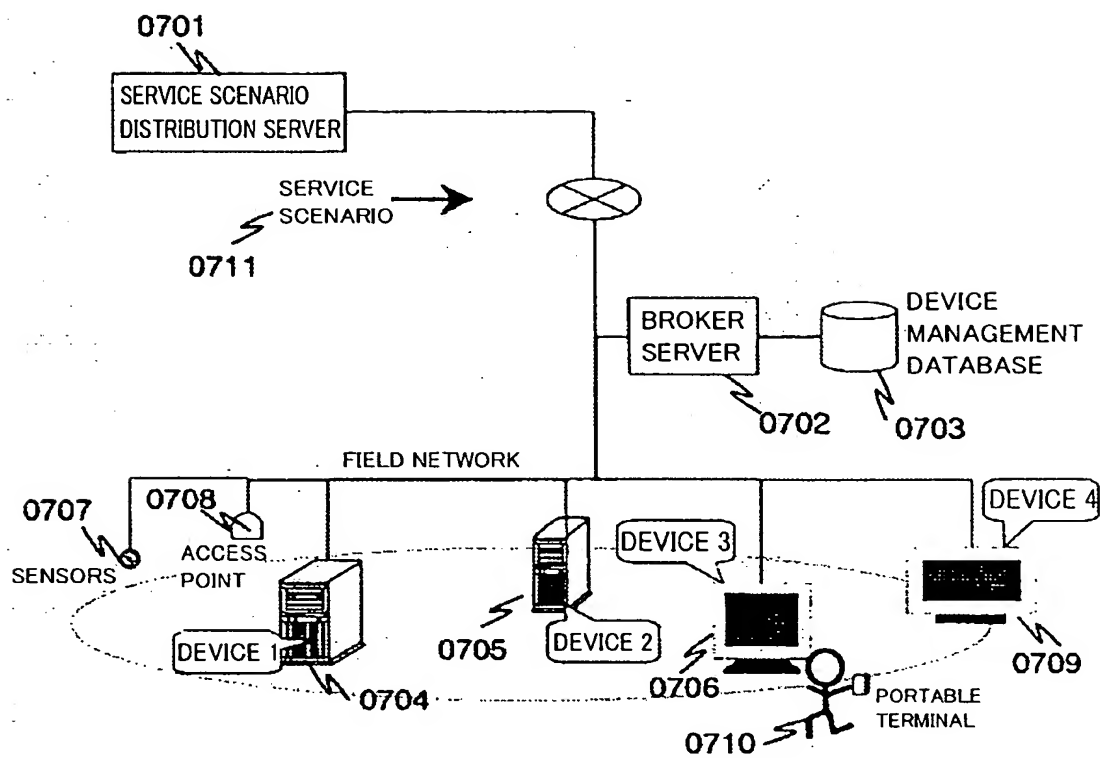


FIG. 7

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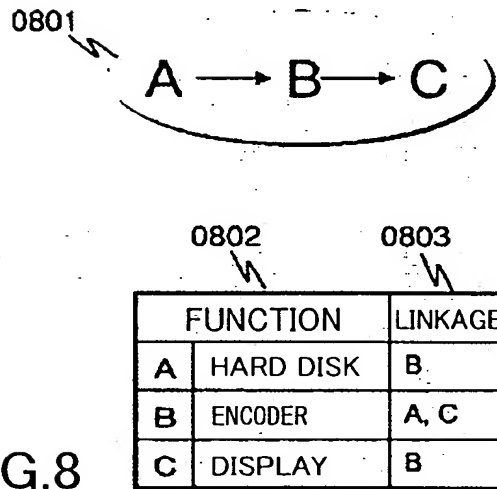


FIG.8

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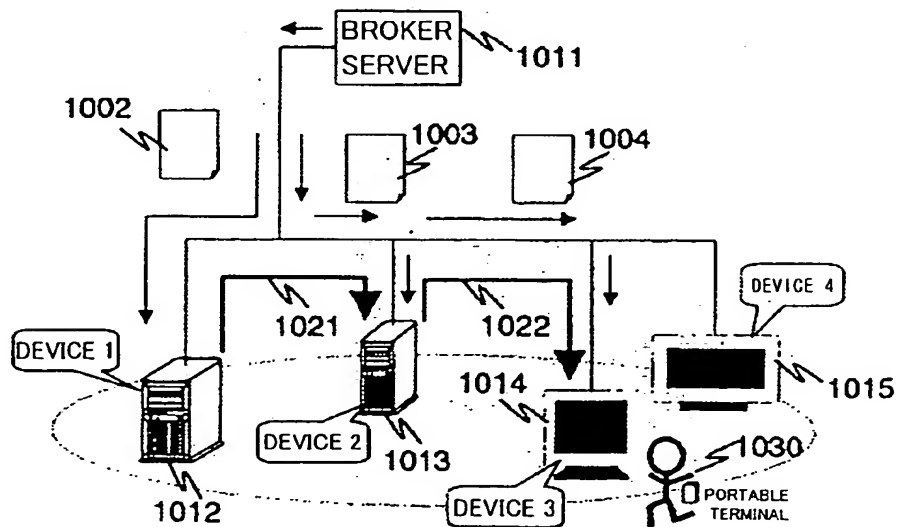
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FIG. 9

0901	0902	0903	0904	0905
DEVICE	FUNCTION	ATTRIBUTE	IDENTIFIER	STATE
DEVICE 1	HARD DISK			
	WEB BROWSER			
			
DEVICE 2	ENCODER			
	VIDEO CAPTURE			
			
DEVICE 3	DISPLAY			
			
DEVICE 4	DISPLAY			
			

FIG. 10

1001	FUNCTION	DEVICE	DEVICE IDENTIFIER	PROCESS	DATA SOURCE	DATA DESTINATION
	A: HARD DISK	DEVICE 1	Address1	Process1		Address2:Process1
	B: ENCODER	DEVICE 2	Address2	Process1	Address1:Process1	Address3:Process1
	C: DISPLAY	DEVICE 3	Address3	Process1	Address2:Process1	



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FIG.11

1101	FUNCTION NAME
1102	PROCESS ID
1103	DATA SOURCE
1104	DATA DESTINATION
1105	OPERATING CONDITION

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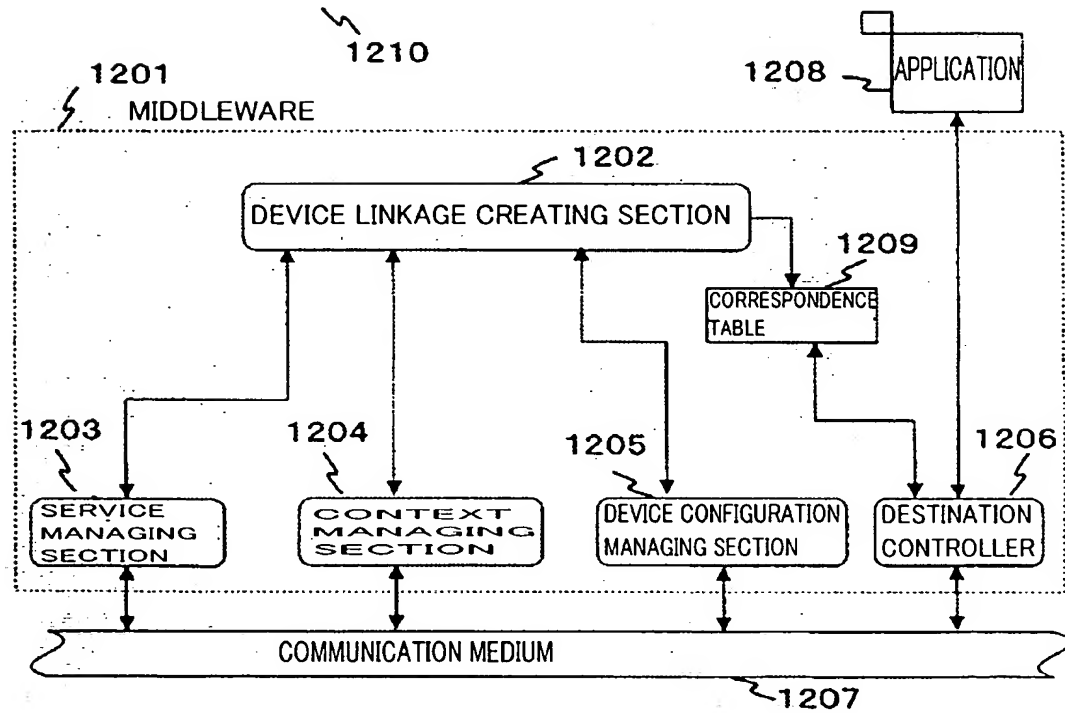
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FIG. 12



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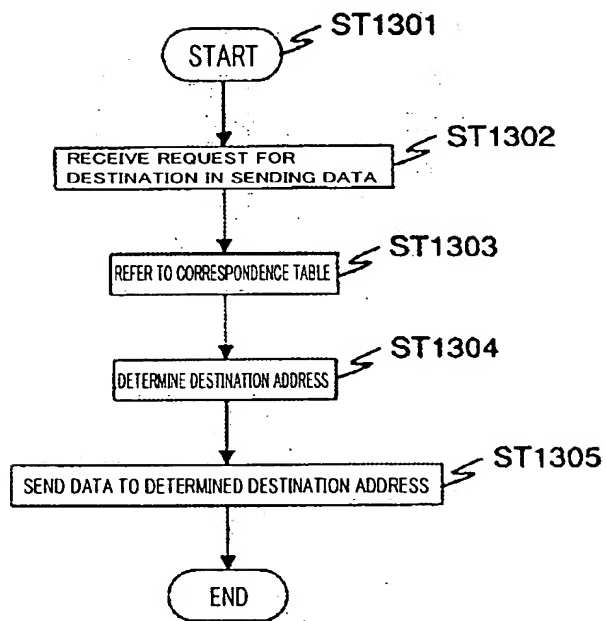
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FIG.13



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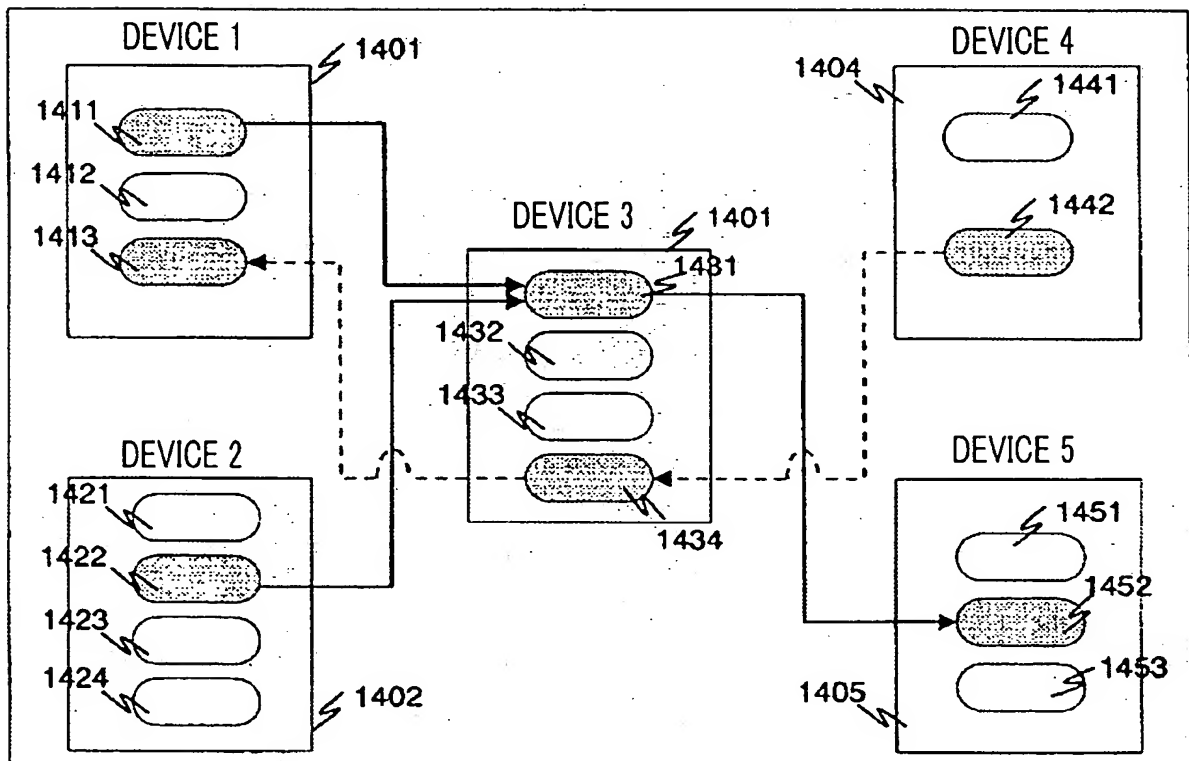
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FIG.14



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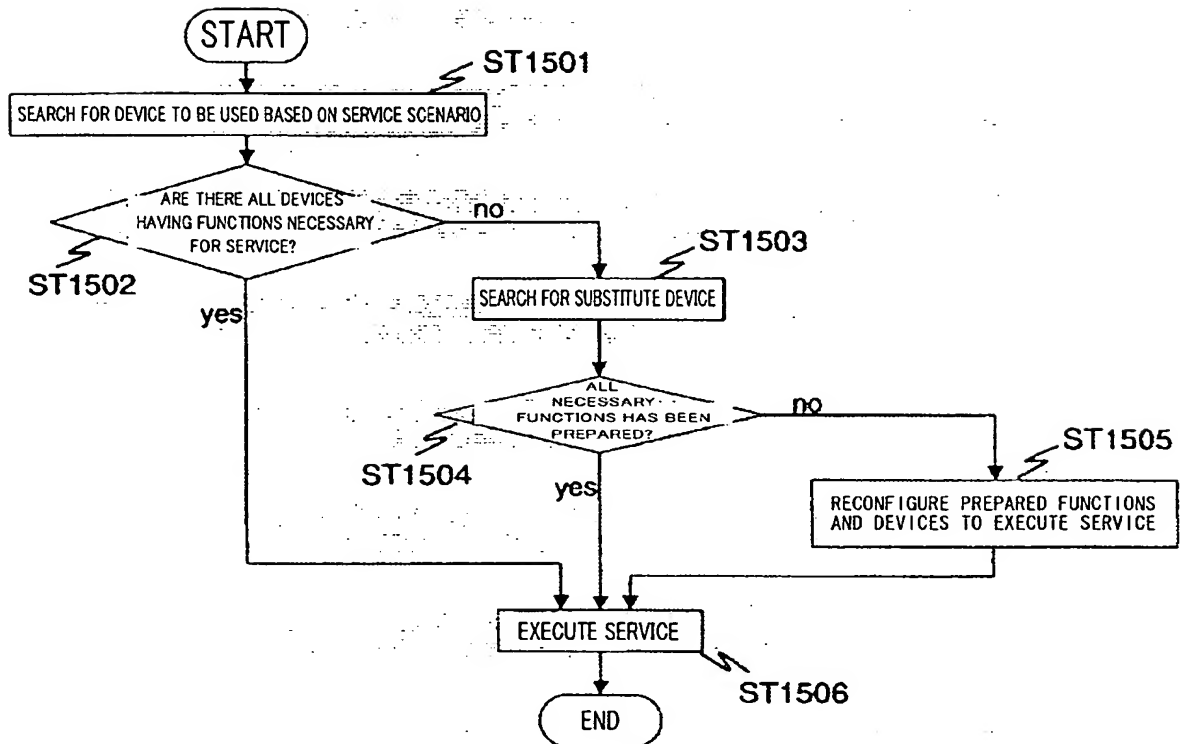
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FIG.15



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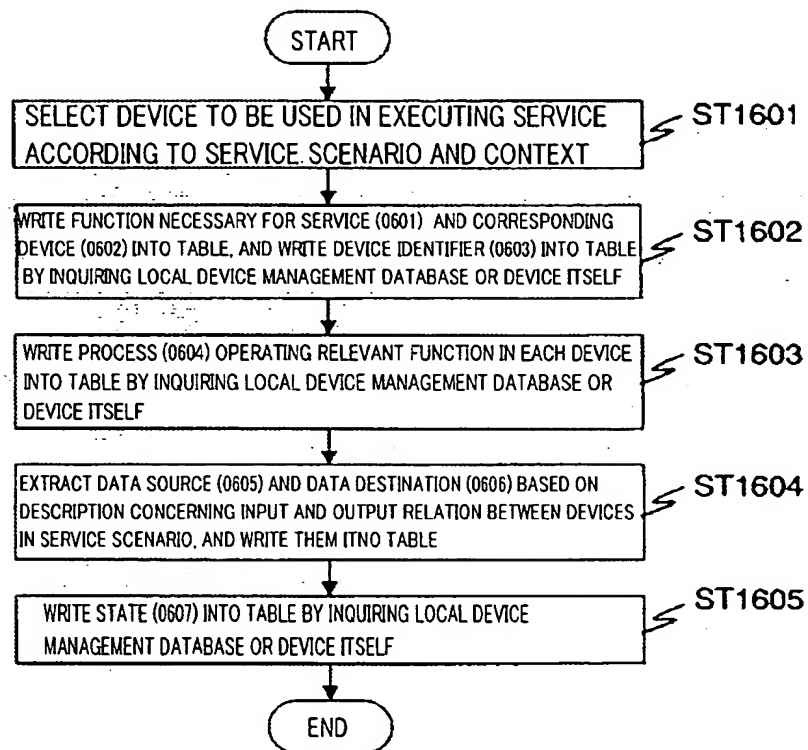
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FIG. 16



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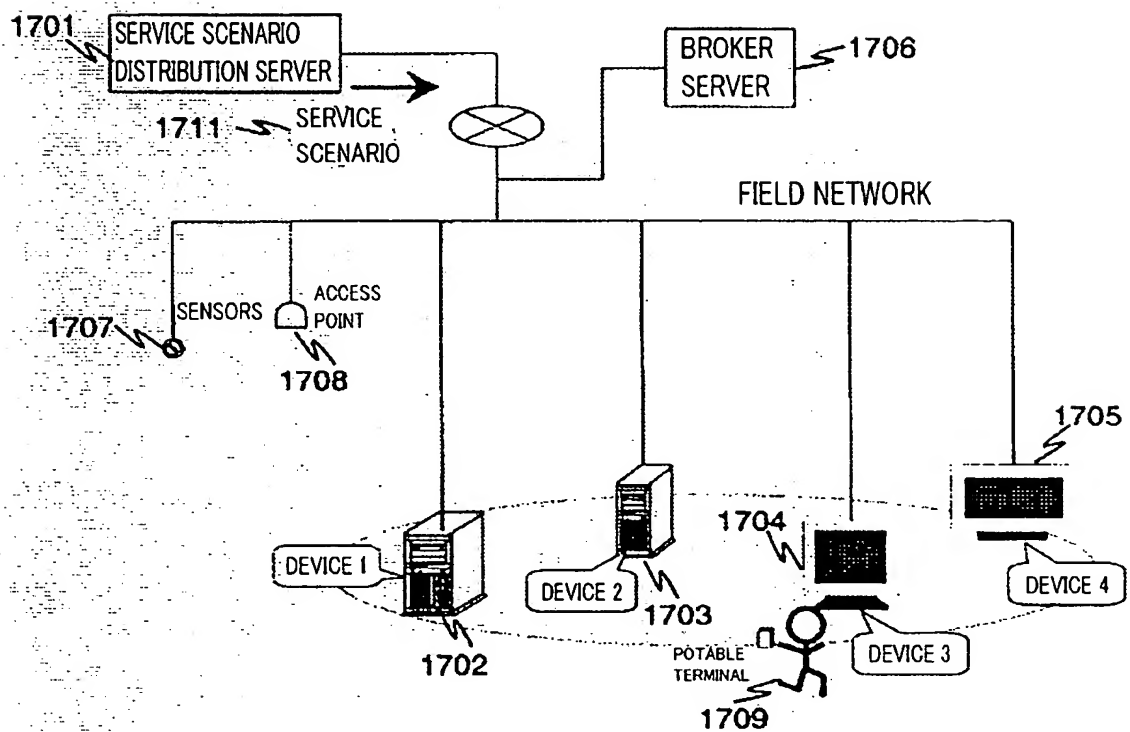
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FIG.17



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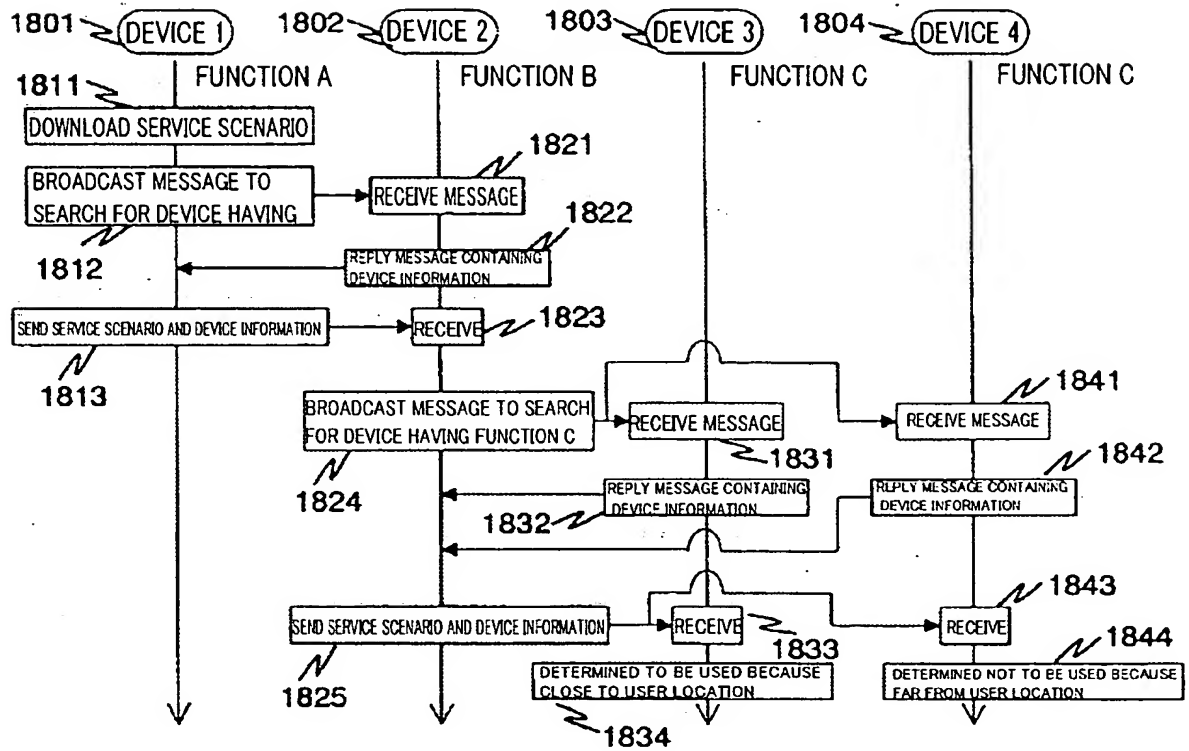
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FIG.18



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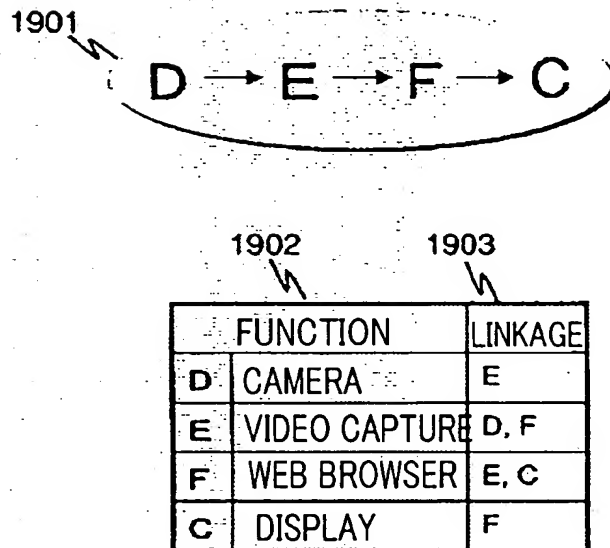
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FIG.19



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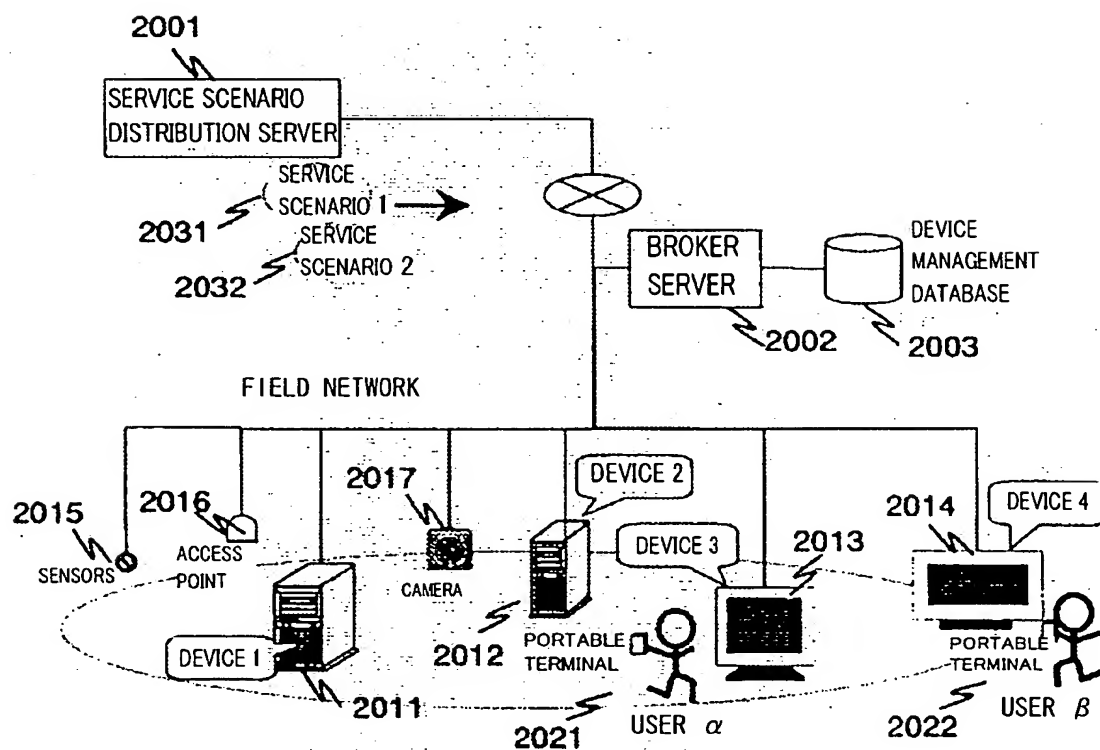
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FIG.20



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FIG.21

CORRESPONDENCE TABLE BETWEEN DEVICES TO BE USED FOR USER α : VIDEO STREAMING DISTRIBUTION SERVICE

2101

FUNCTION	DEVICE	DEVICE IDENTIFIER	PROCESS	DATA SOURCE	DATA DESTINATION
A: HARD DISK	DEVICE 1	Address1	Process1		Address2:Process1
B: ENCODER	DEVICE 2	Address2	Process1	Address1:Process1	Address3:Process1
C: DISPLAY	DEVICE 3	Address3	Process1	Address2:Process1	

CORRESPONDENCE TABLE BETWEEN DEVICES TO BE USED FOR USER β : VIDEO MONITORING SERVICE

2102

FUNCTION	DEVICE	DEVICE IDENTIFIER	PROCESS	DATA SOURCE	DATA DESTINATION
D: CAMERA	CAMERA	Address5	Process1		Address2:Process2
E: VIDEO CAPTURE	DEVICE 2	Address2	Process2	Address5:Process1	Address1:Process2
F: WEB BROWSER	DEVICE 1	Address1	Process2	Address2:Process2	Address4:Process1
G: DISPLAY	DEVICE 4	Address4	Process1	Address1:Process2	